

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office



Atty. Dkt. No.	M#	Client Ref.
	305922	21 DIV2

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: LEMENS et al.	
Appln. No.: 10/660,487	
Filing Date: September 12, 2003	
Examiner:	Group Art Unit: 1733

Date: April 7, 2004

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U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
SS	AR	4,194,273	03/1980	WILLIAMS			
SS	BR	5,579,093	11/1996	WAGNER et al.			
SS	CR	6,381,429 B1	04/2002	SHIBATA et al.			
	DR						
	ER						
	FR						
	GR						
	HR						
	IR						
	JR						
	KR						
	LR						
	MR						
	NR						

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	Abstract		Readily Available	
						Enclosed	No	Enclose	No
	OR								
	PR								
	QR								
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	SR								
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	UR								
	VR								

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	WR								
	XR								
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Examiner James Sells

Date Considered: 6-28-04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Examiner: Unknown

Group Art Unit: Unknown

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
<i>[Handwritten]</i>	AR 2,507,683	05/1950	SMITH			
<i>[Handwritten]</i>	BR 2,647,299	08/1953	THOMAS			
<i>[Handwritten]</i>	CR 2,975,824	03/1961	SCHENKENGEL			
<i>[Handwritten]</i>	DR 2,977,271	03/1961	LUTWACK			
<i>[Handwritten]</i>	ER 2,991,214	07/1961	BURKHOLDER			
<i>[Handwritten]</i>	FR 3,027,285	03/1962	B. D. EISNER et al.			
<i>[Handwritten]</i>	GR 3,301,117	01/1967	SPAULDING			
<i>[Handwritten]</i>	HR 3,309,983	03/1967	DRESSER			
<i>[Handwritten]</i>	IR 3,367,225	02/1968	STANFORD et al.			
<i>[Handwritten]</i>	JR 3,453,169	07/1969	BUCK et al.			
<i>[Handwritten]</i>	KR 3,533,886	10/1970	STAATS et al.			
<i>[Handwritten]</i>	LR 3,737,359	06/1973	LEVITAN			
<i>[Handwritten]</i>	MR 3,756,897	09/1973	SHIELDS et al.			
<i>[Handwritten]</i>	NR 3,840,420	10/1974	SARCIA			
<i>[Handwritten]</i>	OR 3,901,758	08/1975	HUMPHRIES			
<i>[Handwritten]</i>	PR 3,944,455	03/1976	FRENCH			

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					Enclosed	No	Enclose	No
<i>[Handwritten]</i>	QR 550,377	12/1957	CANADA	KLOPFENSTEIN				
<i>[Handwritten]</i>	RR 54-36139	11/1970	JAPAN					
<i>[Handwritten]</i>	SR 2 199 010	06/1988	GREAT BRITAIN	INSTANCE				
<i>[Handwritten]</i>	TR 0 291 178	11/1988	EUROPE	BAILEY et al.				
<i>[Handwritten]</i>	UR 60-40272	10/1995	JAPAN	UEDA YOSHIKI	X			
<i>[Handwritten]</i>	VR WO99/24257	05/1999	PCT	PAQUE				
<i>[Handwritten]</i>	WR 11-245296	09/1999	JAPAN	KUZE	X			
<i>[Handwritten]</i>	XR 11-245297	09/1999	JAPAN	KUKI	X			
<i>[Handwritten]</i>	YR 11-245299	09/1999	JAPAN	YAMAMOTO	X			
<i>[Handwritten]</i>	ZR 11-254528	09/1999	JAPAN	FUKUOKA	X			

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

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AR	3,962,021	06/1976	WEISFELD			
BR	3,974,552	08/1976	MINOGUE et al.			
CR	4,016,021	04/1977	LA FLEUR			
DR	4,021,288	05/1977	HANNON et al.			
ER	4,060,441	11/1977	OHTA et al.			
FR	4,151,900	05/1979	KIRWAN			
GR	4,226,664	10/1980	SHAFFER			
HR	4,264,400	04/1981	BREITMAR			
IR	4,336,096	06/1982	DEDEKIND			
JR	4,351,690	09/1982	GEORGE			
KR	4,377,434	03/1983	DEL BIANCO et al.			
LR	4,387,000	06/1983	TANCREDI			
MR	4,619,728	10/1986	BRINK			
NR	4,743,325	05/1988	MIYAKE			
OR	4,758,952	07/1988	HARRIS, JR. et al.			
PR	4,840,698	06/1989	KUEHNERT			

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					Enclosed	No	Enclose	No
QR	11-278416	10/1999	JAPAN	KUZE	X			
RR	2000-37775	02/2000	JAPAN	FUKUOKA et al.	X			
SR	2000-168020	06/2000	JAPAN	FUKUOKA et al.	X			
TR	2000-272005	10/2000	JAPAN	SEKI	X			
UR	2001-79940	03/2001	JAPAN	ITO et al.	X			
VR	2001-79942	03/2001	JAPAN	MURAKI et al.	X			
WR	2001-79943	03/2001	JAPAN	MURAKI et al.	X			
XR	2001-79946	03/2001	JAPAN	SUNAMOTO et al.	X			
YR	2001-96617	04/2001	JAPAN	IRIYAMA	X			
ZR	2001-96619	04/2001	JAPAN	IRIYAMA	X			
AAR	2001-277357	10/2001	JAPAN	IRIYAMA	X			

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Group Art Unit: Unknown

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JS	AR 4,859,274	08/1989	MARVEL			
JS	BR 4,921,556	05/1990	HAKIEL et al.			
JS	CR 5,053,099	10/1991	SEKI et al.			
JS	DR 5,098,759	03/1992	FELIX			
JS	ER 5,102,491	04/1992	CORREA et al.			
JS	FR 5,133,828	07/1992	JACQUES			
JS	GR 5,163,349	11/1992	TAKAGI et al.			
JS	HR 5,279,697	01/1994	PETERSON et al.			
JS	IR 5,292,388	03/1994	CANDORE			
JS	JR 5,295,753	03/1994	GODO et al.			
JS	KR 5,322,001	06/1994	BODA			
JS	LR 5,334,431	08/1994	LONGTIN			
JS	MR 5,368,677	11/1994	UEDA et al.			
JS	NR 5,445,700	08/1995	UANG			
JS	OR 5,480,509	01/1996	MATSUO et al.			
JS	PR 5,571,368	11/1996	BARGE			
JS	QR 5,580,417	12/1996	BRADSHAW			
JS	RR 5,582,669	12/1996	GOVE et al.			
JS	SR 5,584,962	12/1996	BRADSHAW et al.			
JS	TR 5,639,339	06/1997	COUILLARD			
JS	UR 5,718,799	02/1998	COLSON et al.			
JS	VR 5,735,997	04/1998	REINDERS			
JS	WR 5,735,998	04/1998	BRADSHAW			

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	AR	5,783,024	07/1998	FORKERT			
	BR	5,788,796	08/1998	LOOK et al.			
	CR	5,788,806	08/1998	BRADSHAW et al.			
	DR	5,804,032	09/1998	REINDERS			
	ER	5,810,967	09/1998	COUILLARD et al.			
	FR	5,853,531	12/1998	MURPHY et al.			
	GR	5,888,342	03/1999	REINDERS			
	HR	5,919,333	07/1999	MALTBY et al.			
	IR	5,961,779	10/1999	BRADSHAW			
	JR	5,985,088	11/1999	COUILLARD et al.			
	KR	6,059,003	05/2000	WITTKOPF			
	LR	6,149,752	11/2000	MATTHEWS et al.			
	MR	6,159,327	12/2000	FORKERT			
	NR	6,270,612	08/2001	BRADSHAW			
	OR	RE36,198	04/1999	COUILLARD et al.			
	PR	RE37,345	09/2001	BRADSHAW et al.			
	QR	6,427,744	08/2002	SEKI et al.			
	RR	6,431,243	08/2002	ITO et al.			
	SR	6,431,244	08/2002	MORIGUCHI et al.			
	TR	6,523,592	02/2003	KUKI			
	UR	6,550,516	04/2003	MORIGUCHI et al.			
	VR	6,578,618	06/2003	ITO et al.			
	WR	2001/0004922	06/2001	SEKI et al.			

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ORIGINAL PAPER DOCUMENTS							Abstract		Readily Available	
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